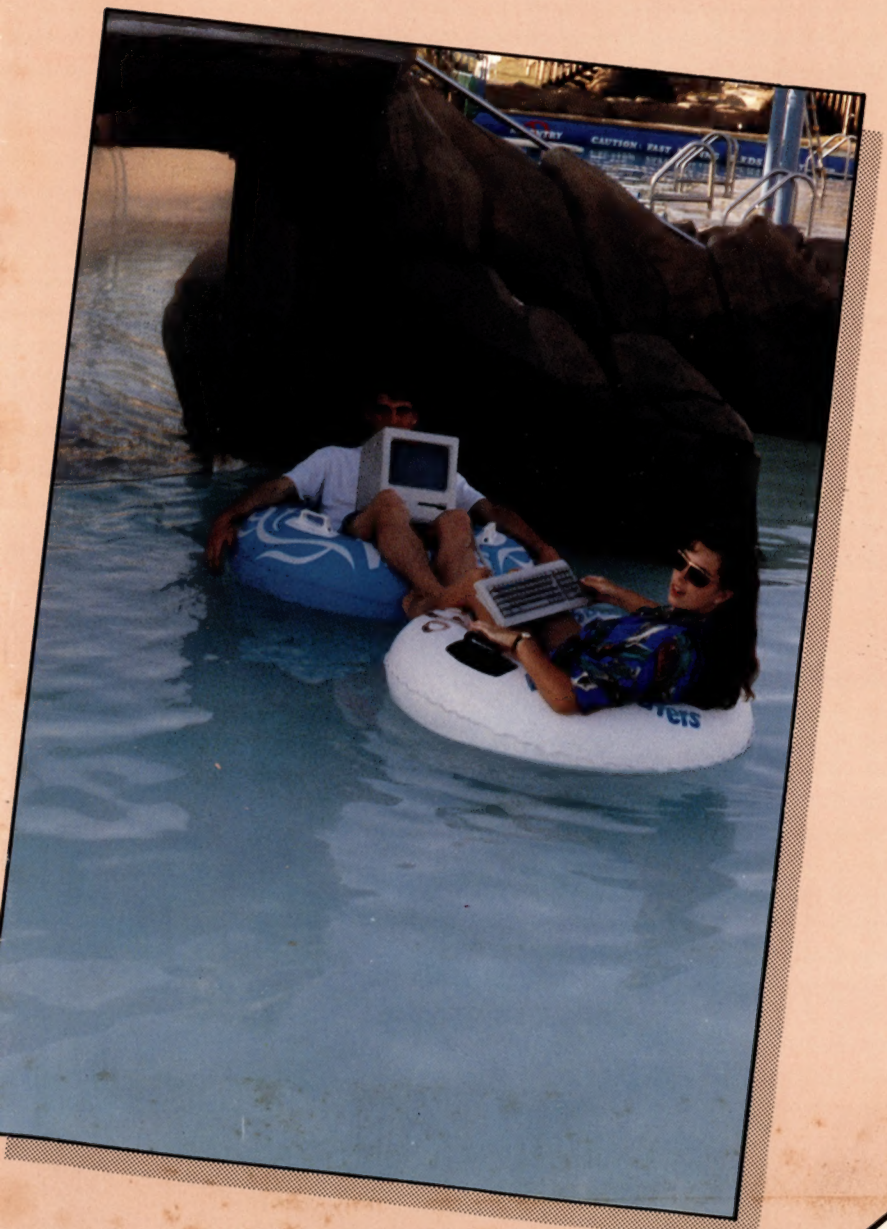
# THE PUBLIC DOMAIN EXCHANGE

Magazine SUMMER 1988 $3.00

**Apple II • IIGS • Macintosh • Public Domain and User-Supported Software**



**Get In Deep With . . .**

**Macintosh**
**HyperCard**
**Mac II**
**Apple II**
**Apple IIGS**

**FREE SOFTWARE OFFER INSIDE**

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## About the Public Domain Exchange

The Public Domain Exchange offers a complete source of public domain and shareware software for the Apple II and Macintosh computers. For the past four years, we have filled the demand for low-cost quality software for these families of computers. PDE collects individual programs from authors and other sources around the world, compiles these on disks, and makes these available to the public at a price they can well afford. We have accumulated a long list of satisfied users from small businesses, major corporations, educational institutions, and households.

PDE takes pride in publishing books on Apple II and Macintosh public domain and shareware software. Available from leading bookstore chains or directly from us, these books are detailed accounts of all programs in our library and are well-indexed to aid the user in locating his desired applications. We also publish quarterly magazines to update users on incoming new programs. Our magazine also contains reviews on programs, hints and tips for users, and interviews with shareware authors.

Once you have one of our disks, we want you to be able to use it. Our technical support team is available to answer your every question, from the most trivial to the very difficult. We may not always have ready answers when you call but we are willing to get them for you.

At PDE, our motto is "taking a bite out of high-priced software". Write or call us and find out how you can get more out of your software dollar.

## What is public domain, shareware and user-supported software?

Public domain software is not copyrighted and comes from authors who choose not to seek formal rights or royalties to their creations. It is free to be used by all with few or no restrictions. The major part of PDE's library fall under this category.

Shareware or user-supported software, on the other hand, may or may not be copyrighted and is a means for authors to directly retail their products to the users without entailing marketing, promotional, and packaging costs. This allows you, the user, to obtain high-quality software at a fraction of its commercial cost. In obtaining shareware products from PDE, you do not yet become a registered user of the software. You are encouraged to examine the program to see if it fits your needs. You are also free to pass it around to friends for them to do the same. If the program does become a part of your regular computing agenda, you are asked to register with the shareware author. This will involve paying directly to the author, a shareware fee, sometimes as low as $5. The author's name and address is always contained on the disk. In many cases, you will get full documentation, technical assistance from the author, and free updates when you send in this fee.

Thanks to shareware, everyone wins at the software marketing game. The authors are provided inexpensive distribution of their products, and the users get a no-pressure, try-before-you-buy method to obtain commercial-quality software.

## Announcements

The following disks have been pulled from the Macintosh library:

160, 187

Some stacks on HyperCard disks 1 through 5 have been taken out in favor of other stacks in a selective effort to put only the best material on these disks.

For users of SKYWRITER drawing program, (Apple Disks 016, 022), a SKYWRITER instruction manual has been added onto the disk. If you want this manual, send the disks back with $4 for shipping and handling.

## Credits


*Publisher* . . . . . Judy Rosenthal

*Editor* . . . . . Roderico Cruz

*Technical Writer* . . . . . Jeff Schwartz

*Software Librarians* . . . . . Roderico Cruz
Jeff Schwartz

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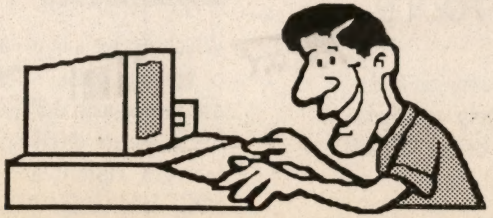


*Send in your contributions and support shareware authors!*

## Pastime

# HC12 FAMILY TREE

Have you ever wished for a drink recipe file for your favorite alcoholic beverages? With BARTENDER, you can keep drink recipes at your finger tips. Buttons let you find recipes using common ingredients while "Search for..." finds other ingredients or names of favorite drinks. ANIMAL YEAR calculates the relative ages of 16 different animals based on the number of human years—if you are 15 human years old, you would be 80 dog years old. FAMILY TREE is a genealogy stack that creates an organized family history database with many common and necessary fields. Functions of FAMILY TREE include find, sort, automatic phone dialer, photo album (needs a scanner to use this capability), and more. Win millions of dollars with LOTTERY, a stack that picks six numbers for Lotto 6/49 of California. BUSINESS CLASS DEMO lets you zoom in on the different areas of the globe (limited demo).

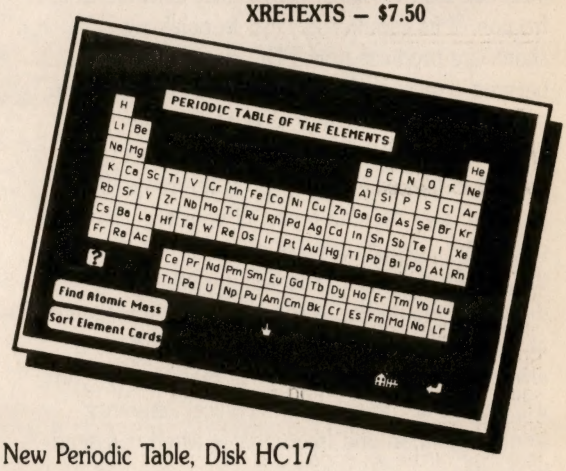
**Shareware Donation: FAMILY TREE — $5**
**GENEALOGY EXPLORER DEMO- $30 (to purchase fully-working version)**
**THE ASPEN GUIDE DEMO — $15**

## Programming

# HC19 POWER TOOLS

Attention HyperCard stackware designers and users! The tools on this disk will help you make stacks faster and better than ever before. STACK BUILDER teaches you how to put stacks together. Are you tired of having to constantly move the Tools Pallet out of your way, or go to the Tools menu for a new tool? POWER TOOLS will do that work for you. MENUS FOR HYPERCARD installs one of six available menus: New, Delete, Enable, Check, Change, and Show. APPLICATIONS allows the user to leave (suspend) HyperCard to run an application that is installed on the stack. When finished using the application, quit and you will return (resume) to HyperCard, not to the Finder. COMBO is a button that creates another card as a stack, then copies itself onto the new stack. Thirteen more tools for the Hyper-minded are included.

**Shareware Donation: ICONMOVER — $3**
**IMPORT MICROSOFT FILE — $5**
**SCREENLOCK — $1 or $2**
**XRETEXTS — $7.50**




New Periodic Table, Disk HC17

## Science

# HC17 ASTRO STACK

Which do we live in: an elliptical, spiral, globular, or irregular galaxy? Test your knowledge of astronomy with ASTRO STACK. Multiple-choice questions are given on four areas: Cosmology, Galaxies, History, and Stars. Go on a field trip to FORT LANGLEY (Canada) and visit James Yale's

house, a trade shop, a blacksmith's shop, and other areas of the fort. The MOONS OF JUPITER calculates the position of the four moons orbiting Jupiter in relation to Universal time and your time zone. Find the atomic mass and/or sort element cards with NEW PERIODIC TABLE. Each element has its own HyperCard button which reveals valuable information about the element. S.G.S. BEGINNING GREEK is a tutorial on the Greek alphabet as well as the basic syntax of the Greek language. ANIMAL KINGDOM and PLANT KINGDOM display the hierarchical structure of living things.

**Shareware Donation: NEW PERIODIC TABLE – $5**
**S.G.S. BEGINNING GREEK – $5**

## Sounds

## HC16 TV AND RADIO SOUNDS/SONGS

Hear your favorite TV and radio music and sounds with SFX STACK 4. Listen to Captain Kirk, Underdog, HAL, Fred Flintstone, or eight other original sounds. For more variety, listen to SFX STACK 5, which contains three categories of sounds: classical and mod music, pop music, and speech. You may also incorporate these sounds into one of the 13 songs that are on this disk. Sounds such as a dog barking, Pee Wee Herman screaming, and nine others can be discovered on SOUND FX STACK 2.

**Shareware Donation: SFX STACK 4, SFX STACK 5 and SOUND FX STACK 2—A picture postcard of your hometown.**

## HC18 GUITAR TUTOR

Hear some of your favorite songs performed by sheep, dogs, elephants or other animals with SOUND FX STACK 3, which contains 13 songs and 12 sounds. If you would like to hear a baby laugh, dishes crash, or eight other original sounds, listen to SOUND EFFECTS. Enjoy the feeling of Christmas joy anytime you like with CAROL STACK. This stack contains 13 of your favorite Christmas carols including Silent Night, Jingle Bells, The First Noel, and many more. The songs sound as if they were played with a fife. THE GUITAR TUTOR will let you hear and see five chords. Simply position your fingers (as instructed) on your own guitar and play the chord. An Eddie Van Halen solo serves as a grand intro to this stack.

**Shareware Donation: THE GUITAR TUTOR—$3**

## HC20 NAME THAT GUITARIST

NAME THAT GUITARIST is a fun and informative stack that lets you guess the identity of many of Rock's greatest guitarists. First, select a mystery guitarist using a pop-up menu. The first chords of a Rock favorite are then strummed after which you are given text clues and hints as to who played it. An applause rewards your right answer, but if you miss, more clues and hints are in order. If you can identify the first chords of Jimi Hendrix's "Highway Chile" or Brian Jones' "Goin' Home," this stack is for you.

**FOR MEMBERS ONLY!**

Special Treat For All PDE Members

**Any 6 Mac Disks for $35**

(That's less than $6 a disk!)

if you order before August 31st.

Write membership ID here:

_____

Clip this coupon to your order

# HyperCard Reflections — $9 per disk

Here are all of the HyperCard disks from previous issues. Some of these disks may contain shareware.

### Business

**HC1** Payroll, call screener, address filer, calculators, billing system.

**HC2** Checkbook, Disk Librarian, LP organizer, recipe box, Easy File.

### Communication

**HC3** HyperBBS, BBS lists, terminal programs, telephone dialer.

NAME THAT
A FUN & INFORMATIVE QUIZ THAT GIVES YOU MUSICAL CLUES AND OTHER HINTS AND THEN LETS YOU GUESS THE IDENTITY OF SOME OF ROCK'S GREATEST GUITARISTS!
For a musical example- Click on my hand!!
GUITARIST!
TO CLUES

Name That Guitarist, Disk HC20

### Education

**HC6** Electronics, history, chemistry, biology, FINGERSPELL teaches American Sign Language.

### Games

**HC9** Amanda's Adventures—interactive story with a series of animated sketches.

**HC10** CONCENTRATION, SWORD PLAY, CHESS LIBRARY 56 — autoplay tournament games.

### Graphics

**HC11** Seventeen digitized pictures, nude women, TOM'S SLIDE SHOW of six clipboard art, typeface displayer.

### Nudes

**HC15** WILDBOY—30 photos of women setup in a magazine format complete with centerfold. X-rated, adults only.

### Pastime

**HC5** Psychoanalyst, Yahtzee, Star Trek, Tic-tac-toe, AdLib, HyperGunshy.

**HC8** StartupScreens, HYPERMACINTALK, HYPERMAZE.

### Sounds

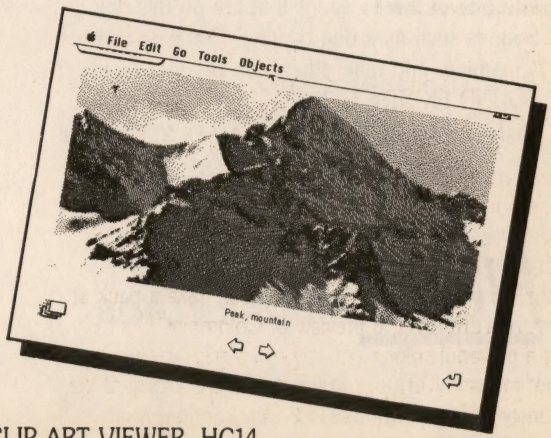
**HC4** Sound/Speech: Common Sounds, synthesizer, HyperMacinTalk, sound utilities, Music Box.

### Utilities

**HC7** Stack protection crackers, resource copy program, FULL PAGE PAINT.

**HC13** CHEAP SEQUENCER—sound sequencer sampler, create new sounds, or move sounds, switch between applications quickly with MINIFINDERSTACK.

**HC14** CLIPART VIEWER, dial telephone numbers for phone or modem.




CLIP ART VIEWER, HC14

# ALL NEW MAC II SOFTWARE

## MII 1 TOWN BRAWL

Take advantage of the Mac II's graphics capabilities with colored and gray-scaled StartupScreens. See the Apple logo with its bright, lively colors, a countryside scene in soft pastels, and a sketch of a unicorn. Watch ribald characters rough it up in a TOWN BRAWL, or have a more tender experience in CREATION. We've included GRAYVIEW, a handy utility for viewing many of the pictures on this disk. GRAYVIEW was made especially for converting Thunderscan™ SCAN files into actual 32 gray shade images.

## MII 2 Geisha

More StartupScreens for your Mac II. Ack! Bill the Cat is back — but this time he's in color. Let your eyes be dazzled by a colored rendition of a cube's three visible sides, which show the images of Einstein, a sexy lady, and an abstract painting. A geisha girl from Japan, Mr. Spock, a space JUGGLER, and several abstract paintings round out this disk. Also included is GRAYVIEW, which may be used to view some files on this disk.

## MII 3 Coloring Utilities

Custom color fantasies for your Mac II! COLORIZER allows you to add color to MacPaint™ FullPaint™, or other paint files. IMAGE analyzes and edits gray scale and color images. It performs standard image analysis techniques and provides many MacPaint-like editing functions. Personalize your system by coloring Mac's resources with KOLOR, an application that changes the colors of buttons, scroll bars, windows, menus, check boxes, and the highlighting bar. Take a peek at MONSTERPAINT, a preview of Colorpoint™ which is a powerful color paint program similar to MacPaint, but in color. This is a demo version and many of the functions have been disabled. But you will have enough functions to play with and see what Colorpoint™ is capable of doing.

## MII 4 MAC II FRACTAL

Fill your screen with stunning kaleidoscope shapes and fractals! COLOR ART displays colorful lines, rectangles, ovals, and arcs. Float colored Mac icons on your screen with COLOR IBOUNCE. Fool around with colored windows and generate circles that are zooming in and out with SPIROGRAPH MACII (some of these graphics require a Mac II with 8-bit color). JULIA SET is a beautiful implementation of the Julia Fractal Set, while MANDELBROT displays Mandelbrot figures on any 256-color Mac II Screen. Other applications for viewing the Mandelbrot Set and its environs are included on this disk.

## MII 5 COLOR SNAPSHOT

Finally! Color screen dumps can now be made to your printer or disk with COLOR SNAPSHOT and SCREEN DUMP ][. COLOR SNAPSHOT is an FKey for the Macintosh II that will allow you to do a screen dump of any sized screen in six different formats and in color! The formats supported are GRAYVIEW, PixelPaint, StartupScreen, Giffer, and PICT2. It can also save the picture in the clipboard. This is definitely one of the most useful FKeys yet! SCREEN DUMP ][ is another update to replace the missing screen dump FKey in the Macintosh II. You can either save the color screen to disk or send it to the printer. An excellent and extensively documented application. Also included is a new ScreenSaver for the Mac II that is so fascinating, you will want to activate it just to watch it.

## MII 7 Alert Sounds

Are you ready to experience the full sound capabilities of the Macintosh II? On this disk we have a sampling of sound resources that can be added to your System using utilities like ResEdit in order to change that annoying and archaic "Bong!" sound. You can listen to some characteristic sounds from movies like *Dragnet, Star Trek,* or *2001: A Space Odyssey.* Also included are sounds from animal and musical instruments. Fred Flintstone with his famous "Yabba Dabba Doo!" is included as well as the Road Runner with his "Meep Meep!"

## Authorized PDE Dealerships

Yes, that's right — we have opened up our Apple II and Macintosh libraries to dealers throughout the world. Retailers who wish to offer our software line as a service to their customers should contact Judy Rosenthal or Kel Lemons at The Public Domain Exchange, Tel. (408) 496-0624.

Here is a list of our authorized Dealers:

**Blackship Trading Co.**
385 Oyster Point Blvd., Suite 10
South San Francisco, CA 94080
(415) 952-1994

**Calpro — The World Of Computers**
Leroy Ashley
3119 Waterlick Road
Lynchburg, VA 24502
(804) 237-3825

**Dave's Computer World**
109 West 3rd St.
Brookston, IN 47923
(317) 563-3504

**Erie CAD Systems**
Bruce Long
4307 Buffalo Rd.
Erie, PA 16510
(814) 899-6437

**P.V. Computer Center**
2217 Thornwood Lane
Le Claire, IA 52753
(319) 332-6229

**Specialty Software**
44 West County Center
Des Peres, MO 63131
(314) 394-3331

**International Dealers**

**Akihito Fuse**
2-2-21 Kitabatake
Abeno-Ku Osaka 545
JAPAN
Tel. 06-651-9067

**Canada Remote Systems**
4198 Dundas Street West
Suite 311
Toronto, Ontario CANADA M8X 1Y6

## SPEAK UP AND GET A FREE DISK

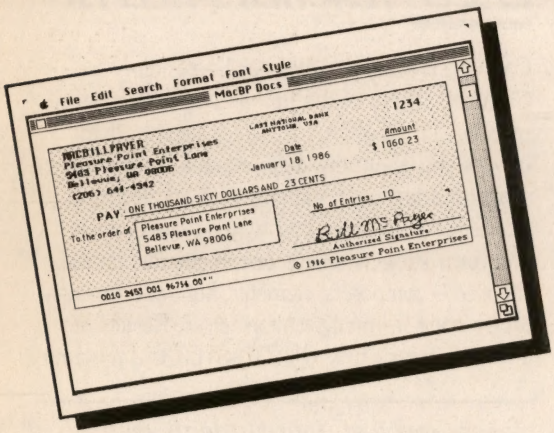
1. What field do you work in? _____
2. At what level are you in your organization?
   ☐ Owner ☐ Upper Management
   ☐ Middle Management ☐ Other
3. Income range: (optional)
   ☐ $10,000 + below ☐ $10,000-$20,000
   ☐ $20,000-$30,000 ☐ $30,000-$40,000
   ☐ $40,000-$50,000 ☐ $50,000 +
4. How old are you?
   ☐ 12 or younger ☐ 12-18 ☐ 18-30
   ☐ 31-40 ☐ 41-50 ☐ 51-60
   ☐ 61+
5. What computer-related publications do you read?
   ☐ MacUser ☐ MacWorld ☐ Others_____
6. What type of computer do you own?
   ☐ 128K ☐ Mac SE ☐ 512K
   ☐ Mac XL ☐ 512E ☐ Mac Plus
   ☐ Mac II
7. How much do you spend annually on software?
   ☐ $0-$50 ☐ $51-$100 ☐ $101-$500
   ☐ $501-$1000 ☐ $1000 +
8. What type of software do you use?
   ☐ Business ☐ Education ☐ Graphics
   ☐ Desktop Publishing ☐ Others_____
9. How do you like to order from a catalog?
   ☐ Mail ☐ Phone
10. Where do you buy most of your software?
    ☐ Computer Stores ☐ Software Stores
    ☐ Bookstores ☐ Catalogs ☐ Magazine Ads
11. What type of add-on hardware would you be most likely to buy for your computer?_____
    _____
12. We want your comments. If you have ordered from PDE before, how would you rate the service on a scale of 1-5?
    (1 = poor 5 = great) Rating _____
    Comments: _____
    _____
13. Which programs do you like best:
    Disk number: _____
    Program name: _____
    Comments: _____
    _____
14. Which programs did you like least?
    Disk number: _____
    Program name: _____
    Comments: _____
    _____

To receive your FREE DISK, enclose this form with any size order.
Send me Macintosh Disk ___ HyperCard Disk ___

## Business

# 221 MACBILLPAYER

MACBILLPAYER was born to fill the need for a simple, yet powerful home checkwriting program. Enter the date, check number, and amount, and MACBILLPAYER writes out the check for you. A 512K or Mac Plus and Microsoft BASIC version 2.0 or 2.1 are required to run this program. REMINDER is an application for displaying a short reminder message upon bootup of your Mac. It is designed to be invisible to the user except when a message has been posted for display. MYTIMEMANAGER (a.k.a. MTM) is intended for professionals who bill their work by




the hour (i.e., lawyers, therapists, consultants, etc.). This is a limited demo which contains a built-in "time stamp" for recording how much time is spent on various jobs. Other functions include a built-in phone dialer and the ability to locate text from its appointment and expense books.

**Shareware Donation: MACBILLPAYER – $35**
**MYTIMEMANAGER DEMO – $25**
**POWER PAGE – $45**
**REMINDER – $5**

# 222 STOCK CHARTING AND ANALYSIS DEMO

STOCK CHARTING AND ANALYSIS uses the cyclic analysis method of predicting stock price movement. This method assumes that most stock price movement is cyclic in nature and can be estimated by the combination of sine functions. A Fourier analysis portion combines different sine functions to project future price movements. Fourier analysis combined with other chartist methods will improve your trade timing. This application is an aid in making your trading decisions, and as with all methods, is not guaranteed to always produce a profit. There is a lot of miscellaneous information about stocks in general and about trends contained in the 34-page instruction manual on-disk. This demo version is essentially non-functional, and the shareware fee will entitle the user to the fully-working version.

**Shareware Donation: STOCK CHARTING AND ANALYSIS – $40**

# 223 MACANALYST

MACANALYST charts moving averages in order to make intelligent decisions when buying and selling stocks. A daily analyzer function will check all files and let you know when a stock has turned bullish, bearish, hit a high or low, or has had heavy volume. This program will produce an 80-day chart with a 34-day moving average (MA) using prices and volume to compute the average. It requires Microsoft BASIC version 2.0 or 2.1 and modem contact with financial data sources (Dow Jones, E.F. Hutton) to run. Also included are Red Ryder macros for quick data communications with a financial service. For those looking for information about investment opportunities, you may be interested in the

ETHINVES folder which contains 19 different MacWrite files full of information concerning the top 100 companies, taxes, money market funds, defense contractors, and much more.
**Shareware Donation: MACANALYST – $25**

## Communications

### 224 MACMANSION

Create your own distinctive bulletin board system (BBS) with MACMANSION. It is not just another BBS—it is like a text adventure game in which you create rooms that serve as venues for uploading and downloading. You may screen callers by only letting certain callers "in" the rooms, or vary a caller's access level—read only, write only, or both read and write access. Construct a "Library," where you can store all information, or a "Manager's Office," where callers can page the Sysop, leave a feedback, read a userlog, or read an information file. A "Mailroom" lets callers send and receive electronic mail. You can put boards in any room for callers to access (up to five per room), and a caller can go up, down, East, West, North, or South to get to each of these rooms. Ideal for BBS explorers or for those who prefer to get on or off-line as soon as possible.
**Shareware Donation: MACMANSION – $35**

## Education

### 214 POWERMATH DEMO

Perform advanced mathematical calculations with POWERMATH. This is a demo that solves (among other things) algebraic equations, trigonometric and logarithmic functions, matrices, and even does integration and differentiation. Bring binary trees to life with our two workshops—HANDS ON and BINARY TREES. Their purpose is to take binary trees, which are

*Bring binary trees to life . . .*

normally abstract entities, out of the textbook and put them in your hands to play and experiment with. CROSSTABS is a "quick and dirty" statistics program that allows you to enter raw data in a cross table from two to ten cells. The program next totals the rows and columns, then computes residual analysis of the cross tabulations.

### 216 STUDENT'S AND TEACHER'S HELPER

Can you identify the Anterior Descending Coronary Artery of the human heart? Learn this quickly with DEMOANAT, which teaches then quizzes you about the different areas of the heart. Teach and test your students with an electronic FLASHCARD, where you may pick and create your own subjects or use one of the five topics supplied—composers, elements, hormone/function, Morse code, or multiplication tables. Results are given after each test. QUIZMASTER is a program

*Teach and test your students with . . . FLASHCARD . . .*

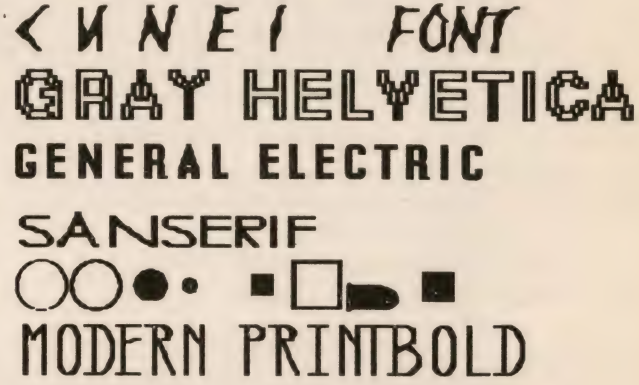
that has the capability of producing tests from various question banks. The tests can be edited by your favorite word processor. Questions are asked randomly and any questions missed are retested. Also included is a grading system that will handle up to 50 students per section, 20 grades per student and 500 points per grade.
**Shareware Donation: QUICK GRADER—$10**

## Fonts

### 220 Laser Fonts 1

Create professional-looking documents with this selection of bitmap and LaserWriter fonts. An interesting font that you might see on the cover of an archaeological publication is CUNEI, an original font that is compatible with any PostScript device. A very elegant and readable, yet simple font is SANSERIF, which is good for business reports and resumes. MODERNPRINT appears as very fine hand printing and works best with applications that let you fine-control leading (like WORD or Pagemaker). GREYHELVETICA is a composite file of Helvetica, which is built into your LaserWriter. Its appearance is best appreciated in sizes of 24 to 124 points in bold and italic.

**Shareware Donation: CUNIEFONT, MODERNPRINT, and SANSERIF – $20**




## Games

### 174 Network and Modem Games

Hunt and be hunted in the maze game BUS'D OUT, which features graphic displays of the walls around you as you move through corridors equipped with shields, a scanner, and a disrupter. BUS'D OUT is designed for use on several Macs simultaneously via a network. When you are in town, be sure to drop by MIKE'S HOUSE. Once inside, the adventure begins! Your goal is to accumulate certain shower items and make it to the bathtub; however, there are creatures and traps in your path. This adventure game has good graphics and very easy commands, which make it fun to play. Start a war with your friend over a modem with MODEM WARS DEMO. Deploy your command posts, tanks, helicopters, jets and missiles in the battle zone. Then take turns destroying each other's forces.

### 210 AIR TRAFFIC CONTROLLER

Avert a major mid-air collision without leaving the comfort of your home with ATC (Air Traffic Controller). This simulation puts you in charge of all air traffic in your sector. The schedule of arrivals, departures, and over-flights has already been determined and it's your job to guide all of

**FOR MEMBERS ONLY!**

Special Treat For All PDE Members

**Any 6 Mac Disks for $35**

(That's less than $6 a disk!)

if you order before August 31st.

Write membership ID here:

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the aircraft safely to their destinations. Guidance equipment include a radar screen, status command panel, shift clock, wind direction indicator and turn timer. Ready for a relaxing game of golf? In GOLFING MAC WAY, you choose your clubs and their sizes with the pull-down menus, then click the swing button to hit the ball. You will view club houses, waterways and other sights amongst the landscape. Bet against "the house" (your Mac) with VIDEO POKER. Five card draw is the game. Start with $10 and bet from 25¢ to $10. Good practice for Vegas. Also included are FOOTBALL PICKS, which keeps track of NFL football bets, MAC-PONG II, and a casino game, MOUSECRAPS.

**Shareware Donation: ATC – $10**
**GOLFING MAC WAY – $10**
**MAC PONG II – $5**
**MOUSE CRAPS – $15**

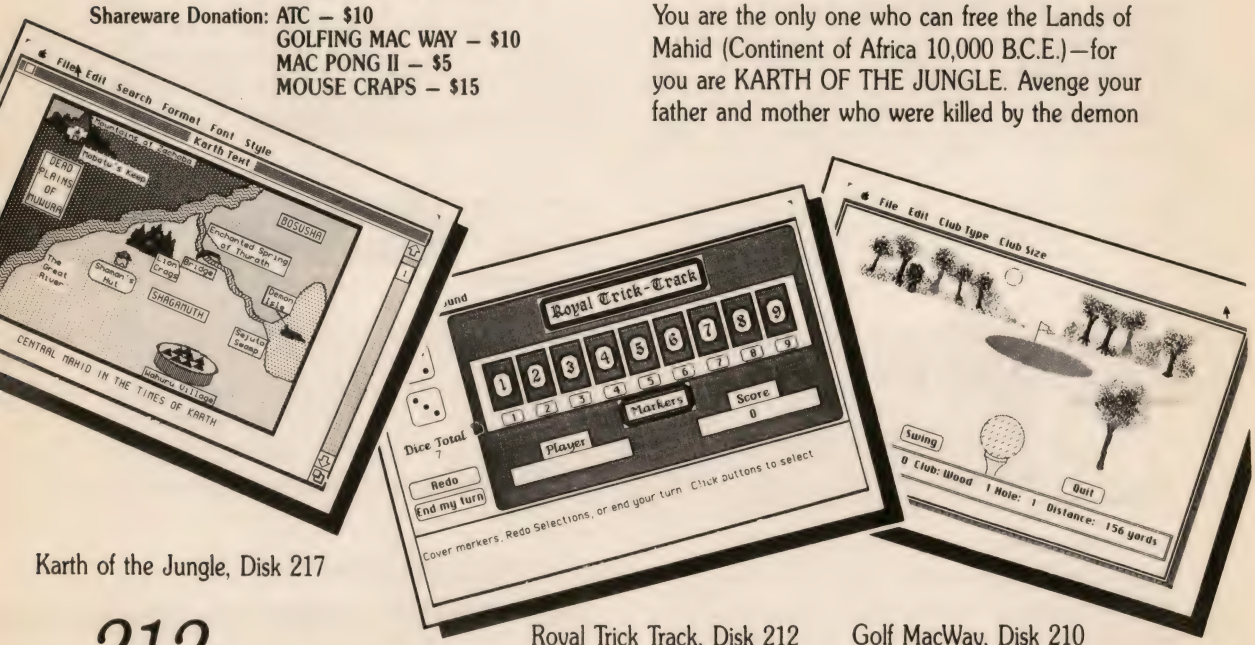
If you can't finish the puzzles in one sitting, you may save it for later. For a change of pace, play a game of TRICK-TRACK. Royal Trick-Track is a dice game played in pubs throughout England, using two dice and a set of markers numbered from one to nine. The object is to cover as many markers as possible in accordance with the throws of the dice.

**Shareware Donation: PUZZ'L – $3**
**TRICK-TRACK – $6**

## 217 KARTH OF THE JUNGLE

You are the only one who can free the Lands of Mahid (Continent of Africa 10,000 B.C.E.)—for you are KARTH OF THE JUNGLE. Avenge your father and mother who were killed by the demon warriors when you were only an infant. You must find the voodoo fire stick and the magic amulet of your mentor Komo and defeat Mobatu and his evil demon warriors. This game was created using World Builder and contains many scenes and interesting sounds. KARTH OF THE JUNGLE comes with a map, instructions, and a written history of Mahid.

**Shareware Donation: KARTH OF THE JUNGLE – $10**




Karth of the Jungle, Disk 217

Royal Trick Track, Disk 212

Golf MacWay, Disk 210

## 212 MAC PUZZLE

Create your own jigsaw puzzle pictures and piece types with PUZZ'L, which imports MacPaint pictures and scrambles them. Solve ready-made jigsaw puzzles with MACPUZZLE, which allows you to choose from 25 different puzzles. Special features include piece rotation, background pattern selection, and different levels of difficulty.

## 218 FIND THE HEART

Welcome to THE PUZZLE PIECE SEARCH, an adventure game where you must first find all four pieces to a puzzle, which is a picture of two animals. After you have all the pieces, put them in the place they would live if they were real animals, then return to the beginning to win. In

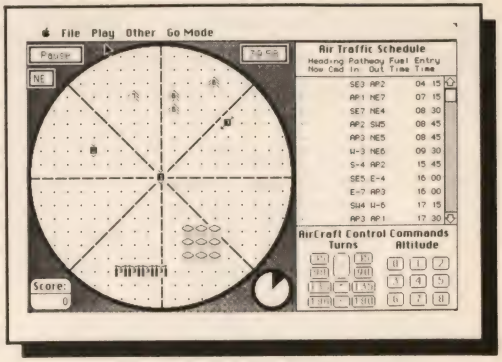
*. . . your beautiful heart has been stolen.*

the adventure FIND THE HEART, your beautiful heart has been stolen. Find and return it in one piece to the starting point to win. Both of these World Builder adventure games, written by Joshua Chapman, are full of graphics and sounds and are imaginative and playable by children and adults alike.

**Shareware Donation: THE PUZZLE PIECE SEARCH – $5 or $10**

## 219 QUEST FOR T-REX

"You are Lance, fearless explorer and mighty warrior. Your friends have invested their life savings in order to allow you to carry out a dangerous mission for the Paleontology Museum. You will travel in your experimental Time Machine to a strange and forbidden world where dinosaurs roam, knights do battle, and strange creatures lurk in the darkness. Your mission is to locate, sedate, capture, and bring home with you a living Tyrannosaurus Rex, also known as T-Rex." You have a remote control that can summon your time machine (which has a cage attached). A massive adventure of epic proportions is QUEST FOR T-REX, so massive that it is on an 800K disk. To run QUEST FOR




Air Traffic Controller, Disk 210

T-REX you must have an 800K drive (i.e. Mac Plus, Mac SE, or Mac II). A help map is included with this disk.

# Utilities

## 213 CURSOR REPLACEMENTS

Next time you get up for a cup of coffee, enable PAD-LOCK, an FKey that prevents other people from accessing your current file or program. When you return, it lets you know if someone attempted to use your Mac while you were away. The XERISK disk duplicator requires a megabyte of RAM (for maximum speed) but will work on a 512K. XERISK needs only one drive, loads one 800K or two 400K disks into memory and then makes copies as fast as the disk drive will allow. XERISK will copy two 400K disks onto one 800K disk while translating the pseudofolder hierarchy of MFS into real hierarchy of HFS. SEQUENCER allows you to set up a number of applications to run sequentially every time you boot the Mac. Use RESEDIT to configure SEQUENCER.

**Shareware Donation: PAD-LOCK – $8**
**RESOURCE HANDLER – $10**
**SAMPLE IT! – $10**
**STUFFIT – $15**

# Macintosh Reflections — $9 per disk

Following is a summary of our more popular disks reviewed in previous bulletins. Some of these disks may contain shareware programs. All shareware software in our library contain the name and address of the author and the amount requested, on-disk.

## Best of Public Domain

**86** Twelve programs top-rated in MacWorld 8/86 issue: Utilities (SERVANT), games, DAs, FKeys, telecommunications.

## Business

**33** Multiplan templates: loans, investments, checkbook, nutrition, more.

**85** EXCEL macros and templates: mailing labels, expenses, loans, etc.

**135** Best of Business: loans, A/R, depreciation, more.

## CAD

**159** For metal, plastic and ceramic part machining—create and edit a data file which defines the shape of the part.

## Communications

**29** Red Ryder with documentation (shareware, $40).

**79** AppleTalk disk: Utilities plus MAZEWARS games.

**115** Applications for modems and bulletin board (contains shareware).

**122,123** WORLD WAR IV BBS: requires 512K, hard disk recommended (shareware, $25, 2 disk set).

## Desk Accessories

**68** Run a DA w/o installing it; scrolling billboard, windows, more.

**97** MINIWRITER: Text editing desk accessory w/doc; autodial 5 phone numbers sequentially (shareware, $10).

**100** BACKDROP allows downloading while in an application; several Fkeys.

**102** Best of DA's: Terminal emulator, utilities, games, etc.

**153** 24 DAs: set Finder information, "hangman" style game, Blackjack game.

**206** Best of DAs—26 DAs, including ARTISTO, which incorporates MacPaint graphics w/MacWrite documents easily; also SAVIOUR.

## Desktop Publishing

**76** Forty templates for biz cards, letterheads, signs, etc. using Pagemaker1.2 or lower.

## Education

**109** Typing Tutor, Project Outliner, U.S. Geography.

**114** Create geographic maps or schematic drawings (shareware $17), more.

**146** Fractals, starcharts, digital circuits (contains shareware), more!

**176** Alphabet tutor that talks, for preschoolers, (shareware, $10), SPELLING TUTOR, SHAPE ART, (shareware, $5).

## Fonts

**39** Princeton, 32 other fonts, font organizer, font manager.

**81,82** Forty-six exciting new fonts; Alexis, NY Nights, Tiffany, (2 disk set).

**90** Boston II: ImageWriter font with an almost letter quality look, w/doc.

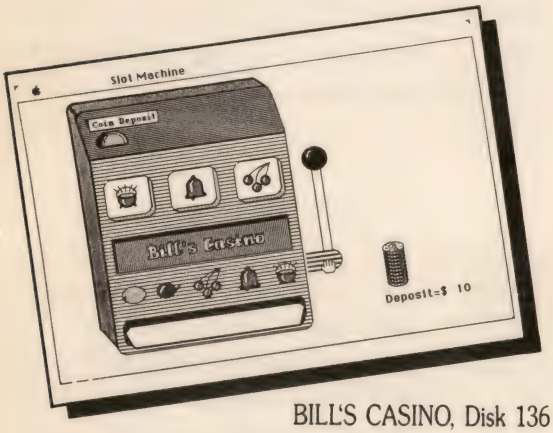
**94** Fifteen fonts: CREAMY, CELTIC, NY72, plus new icons.

**95** Princeton—LaserWriter font for scientific or math equations; American Sign Language.

**133** Beverly Hills: Sharpest ImageWriter font.

**141** Add Hebrew text to MacPaint documents, plus nine other fonts including LAS VEGAS (playing cards).

**204** Best of Fonts:BEVERLY HILLS, PRINCETON LaserWriter font.




BILL'S CASINO, Disk 136

## Games

**62** Dungeon of Doom, Baseball, Social Climber.

**78** CAP'N MAGNETO: Famous graphic adventure game.

**83** BLACK BOX: Rutherford's Experiment game; ADVENTURES OF SNAKE: maneuver growing snake around a maze; WAVE: Space Invaders-type game; more.

**88** ADVSYS: Write your own text adventure. Complete with doc.

**99** Find the SPEAR OF DESTINY deep in the Black Mountains; drop the stuntman from your STUNTCOPTER, more.

**103** Best of Games: MEGAROIDS, BILLIARDS, ORION, more.

**111** BMX motorbike race; DUCK HUNT; HIGH ROLLER: dice rolling game.

**126** STAR TREK: complete with sounds from the TV series.

**128** 1000 MILES: fast-moving road race (shareware, $10).

**129** Try to stay in the center of the chamber in ZERO GRAVITY (shareware, $1-$5).

**136** Bill's Casino: animated slot machine, AMAZE, a one-player maze wars game, plus more

**138** RADICAL CASTLE: retrieve a stolen Oracle or die! (shareware, $5).

**143** MACCONCENTRATION: Destroy or be destroyed by the robots; also new DALEKS (shareware, $20), HEARTS 1.6.

**147** Fifty-one SARGON CHESS game documents, THE NEW DALEKS w/Mac vs. Mac option.

**156** MACMISSILES, MACLANDING, MACYAHTZEE, RACE CAR SIMULATOR.

**164** Multilingual game—SNAKE-BAR for French, English, Spanish, German, Dutch, etc. (shareware, $15).

**173** Microsoft BASIC games—MASTERMIND, HAZARD, an animated gambling game. Needs MS BASIC or MS BASIC Runtime Module (shareware, $20).

**183** HALLOWEEN NIGHT: animation plus sound on Trick-or-Treat night, plus SAFARI and THE BIRDS, a multi-species talking game.

**191** ROBOT BATTLE programs a robot using a language similar to BASIC.

**193** WIZARD'S WAREHOUSE: a World Builder sound and graphics adventure.

**199** ENCHANTED PENCILS .99: a World Builder interactive adventure game with graphics and humor, for 800K drives or hard disks.

**207** Best of Games:Bill's Casino, MACMISSLES, MACLANDING, DUCKHUNT.

## Graphics

**80** Bloom County: Cartoon characters to add to your collection.

**92** ThunderScan Images: A collection of 8 digitized pictures, mostly of the eerie, other-worldly variety.

**93** Macross: Here are 21 cartoons to be printed or changed.

**96** Images of Space pictures, including Mr. Spock.

**104,105** Borders to decorate stationeries, awards, certificates, etc. (2 disk set).

**112** SUPER MANDELZOOM: Latest version of this fractal program.

**116** Useful Clipboard art graphics; Slideshow, Viewpaint, Scrollpaint Showpaint.

**117** Detailed images, SCROLLPAINT and THROWPAINT utilities.

**118** MANDELBROT: Top-rated fractal program in MacWorld Magazine.

**145** Beautiful graphics with packer/unpacker for sending over modem.

**151** ARTISTO: Incorporate MacPaint pics w/MacWrite docs easily, (shareware, determined by user).

**171** Fourteen MacDraw pictures, nine MacPaint pictures—portraits, caricatures of famous statesmen and leaders.

**172** Desktop publisher's kit—MacPasteUp images, instructions, and 6 fonts.

**189** Dragons and Warriors: Conan the Barbarian, etc.

**190** 19 handrawn paintings of fantastic creatures, Disney characters, and famous cartoon figures.

**203** Best of Graphics—lots of Clipboard art, MacPaint and MacDraw pictures, StartupScreens.

## MacTalk

**107** MacTALK: Trendy Mac magazine on disk w/unique Microfilm Reader.

## Math

**198** Statistical analysis, plotting (shareware, $10), sorting and planimetry.

## Music

**40** Music Maker: Compose your own music; Smooth Talker demo also included.

**121** Draw musical staves and notes; JUKEBOX player and songs.

**140** MIDI PATCH EDITORS/LIBRARIANS for Casio CZ series synthesizers and Sequential Circuits MAX synthesizers (shareware).

## Nudes

**49,65,66** Girls! Adults only digitized pictures (3 disk set).

**200** Ten nude pictures including FUN-LOVING TRIO, CLOSE FRIENDS.

## Pastime

**106** Animations from horrifying to surrealistic, complete with sound!

**119** Customize Startup Screens, add sounds to them, plus ScreenSavers & wreckers and pranks.

### Programming

**87** Compiler that speeds BASIC programs (shareware, $29).

**124** MOTOROLA 6800 SERIES CROSS ASSEMBLER: converts MOTOROLA 6800 SERIES assembly code to Motorola 68000.

**167** RA Language System w/on-line help, (shareware, $15).

**194** MACMAN: A help database for Mac programmers.

**195** Simple Tools: C Language libraries.

**201** Best of Programming: C compiler, C subroutines, draw software engineering diagrams.

### Science

**108** SCIENTIST'S HELPER: data reduction, multiple regression, Fourier Transforms etc; SATELLITE LOCATOR; VENN diagrams.

**154** EARTHPLOT draws detailed map of the world; MACGRAPH, plus 8 demos of physical phenomena (won't run on System 4.2/Finder 6.0).

**157** MIND displays reminders on screen.

### Sounds

**91** Customize your StartupSound, error beep, and the desktop background.

**101** SOUNDPLAY: Hear sound files before installing them; more startup and error sound files.

**208** RANDOMIZER (HFS required), an INIT resource that allows different StartupSounds and beep sounds when you turn on your machine.

**209** 17 sound files including chimes, crashing sounds to use for StartupSounds or error beeps.

### Utilities

**5** Code Cracking w/doc; FEdit.

**25** Prints BANNERS, up to 8" letters; pictures.

**6,89** ResEdit: Manipulate text files and customize resource files; with doc. on disks (2 disk set).

**73** Create your own personalized CALENDAR.

**84** MAD MENUS: Create video telegrams of your personal messages; expand and compress files with SHRINKTOFIT and THE PARER.

**98** FKEYS and Utilities; Alternate Finders; 14 useful Fkeys.

**113** 400/800K disk copier; MACSNOOP takes over where FEDIT left off.

**125** Fkeys and Fkey Manager; Change characters with KEYSTRINGS.

**130** CATMAC 1.2.6: Best disk cataloging program.

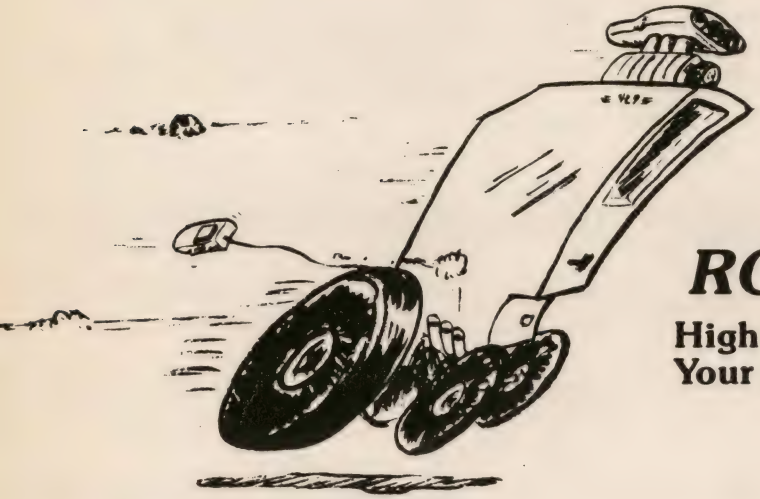
**196** AUTOBLACK INIT—our best ScreenSaver, HARD DISK BACKUP (shareware) for full and incremental backups of hard disk, HARD DISK RESTORE.

**205** Best of Utilities: disk cataloger, RAM DISK, ICON COLLECTOR, VIEWPAINT converts MacPaint pics to SartupScreens and vice versa.

### Videoworks

**77** MACMELT: A classic—watch the Mac melt! Plus more movies.

**181** The Shark, Vampires of NY 1, Cheesy Storyboard, plus more.



# ROGER BATES:

## High-Speed File Access On Your Mac.

When Roger Bates was asked by his boss for advise on their five newly- purchased Macintosh computers, he recommended that his company not buy second floppy drives and instead load programs from the Mac's internal RAM disk. He was almost sure that there were good shareware RAM disk programs out in the market so he set out to look for one. When he couldn't find any, he did the next best thing—wrote one himself. Thus, RAMDISK+ was born. Roger continually made improvements to the program, and soon he realized how useful it could be for others. He decided to put it out in the shareware market.

A RAM disk acts as a pretend disk drive from which programs can be launched quickly. Roger's RAMDISK+ (PDE Disk 131) automatically creates a RAM disk volume, copying over the user's desired files and folders. It has several useful options like running another program without returning to the Finder, and a "Crash Saver" to quickly recover from system bombs. It works with the HFS or MFS file systems on the Mac 512e, Plus, SE and Mac II. Written in C, this program works best within the hierarchical file system of double-sided disks and a Macintosh Plus or later.

Another shareware program from Roger that is in our library is DISKDUP+ (PDE Disk 131), a disk copying program for both 400K and 800K disks. It automatically formats a blank disk according to that of the source disk (whether it be single-sided or double-sided), copies, and verifies sectors quickly.

Roger, who has a masters degree in Electronics Engineering, works as a hardware designer/software engineer for a company that is principally involved with Motorola 68000-based hardware. He can be reached at the Portland Mac Users Group, of which he is an active member.

You may register your copy of RAMDISK+ for $20 and DISKDUP+ for $10. For registered users of RAMDISK+, Roger offers commercial-quality documentation, technical support, and free upgrades. He has recently upgraded RAMDISK+ to be compatible with the new versions of the Mac's System and Finder.

*Send in your contributions and support shareware authors!*

# 215 MACROOTS: Genealogy Program for the Macintosh

At one time or another, most people wonder about their roots. Wouldn't it be nice to combine a full-featured genealogy program with the ease and simplicity of the Macintosh? Well, it has come to fruition and we have it—MacRoots version 4.0 by Bruce W. Muckala.

With MacRoots you can create a database of individuals in your family history, edit information about them as you obtain it, and view their relationships to others in your family tree. Descendant charts, family group sheets and pedigree charts may be either printed or displayed on-screen.

Each heritage file may contain up to 500 individual records and 200 marriage files. Individual records contain information as to name, sex, and father and mother's name. The files also include the date, city, county, state, and country of the birth, death and burial.

Marriage records contain information as to which marriage it is, names of the husband and wife, as well as the date, city, county, state, and country of the marriage. As your family tree database grows, you may select the Reorganize function which will update the index file, thus assuring quick generation and display (or print) of properly structured charts.

For those of you who are using an earlier version of MacRoots, do not despair —included on this disk is MacRoots Converter which will convert genealogy data files created by earlier versions for use with MacRoots version 4.0.

MacWrite version 4.5 is required to read and print all 22 pages of the documentation files. Use MacRoots with the aid of the desk accessory, HelpDA (included), which provides on-line help to the user of an application. You can use the included MacRoots Help file or create your own using a word processor that will create standard text files.

MacRoots (written by Bruce W. Muckala) and HelpDA (written by James McCarthy) are shareware programs. If you find them useful, please send the authors their registration fees, $25 for each of the two programs.

*Send in your contributions and support shareware authors!*

# GS5 SHRCONVERT VERSION 2.0:

## View Graphics From Other Computers On Your IIGS

All Apple IIGS owners realize what a fine machine they have. It can do so much — computationally it is powerful, has great sound, and displays fantastic graphics. To help you with the GS graphics, Jason Harper has released SHRCONVERT version 2.0, an extremely powerful graphics utility program.

SHRCONVERT is designed to load over 12 different graphics file types, such as Apple II HiRes and double HiRes, Apple IIGS compressed and non-compressed Super High Resolution, MacPaint, Atari ST, Commodore 64, and many more. After having loaded the desired picture, you may view it and alter its aspect ratio. This involves using the pull-down menu and selecting the reduction of the height or the width by 50%. This may be done repeatedly until the desired image is achieved.

If you are viewing a picture and would like information on it, select the Picture Info function which exposes the image-to-computer analysis. A report is generated on the screen that includes information on type, height, width, and resolution mode, and a breakdown of the different colors (by percentage) used in the picture composition.

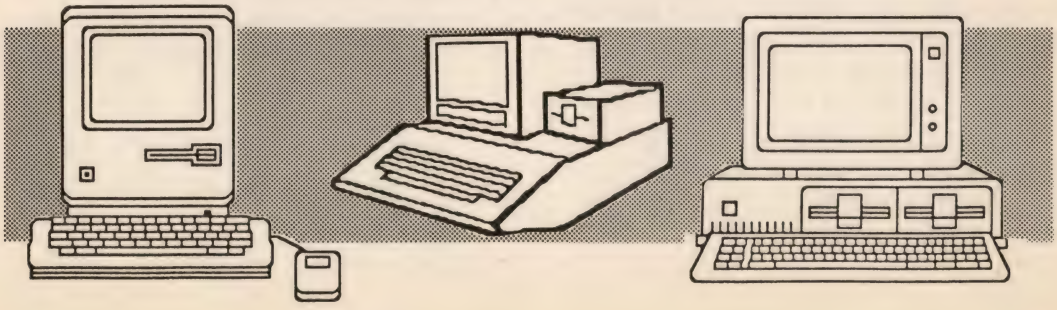
When you are through viewing and/or analyzing your picture, save it as one (or more) of three different file types: $C1 Non-compressed, $C0 Compressed (3 subtypes), or GIF (CIS Graphics Interchange).

The File utilities are just as useful as the ones you have just read about. For example, Change File Attributes is a special function that allows you to rename file and auxiliary types, and lock or unlock files. You may make the files deleteable, renameable, writeable, readable, and more. SHRCONVERT will also format disks for your convenience.

If you have trouble or questions while using this program, simply pull down a menu and select the Help function, from which you may choose from six different categories of information. Help categories include: general program usage, picture formats that can be converted, notes, an adventure game, and more.

The author has even included space for the future loading of new or different file types. For all of the features that have been described above, one might expect a large shareware donation—the author, Jason Harper requests only $15. SHRCONVERT is worth many times that amount.

**Hardware note:** 512K of RAM (memory) minimum is recommended.



## Fonts

Load these fonts into your fonts folder in the System folder of your word processor or paint program in order to utilize them.

# GS25 AVANT.GARDE

Our second font disk for the IIGS. You'll get 31 different font styles (total 66 point sizes). GENEVA is a general purpose font which comes in seven different point sizes (9, 10, 12,14, 18, 20, and 24). The NEW YORK font is clean and easy to read and is available in six point sizes. A classic font which is ideal for many varied applications is HELVETICA, available in five different point sizes. A few other popular fonts available on this disk are MONACO, LONDON, LOS ANGELES, COURIER, and AVANT.GARDE.

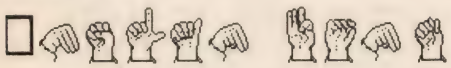
Brenner0 Font

Bubbles Font

Calligraphy Font

Camelot Font

Shaston Font



# GS26 TIMES

More fabulous fonts for the IIGS! SANTIAGO and SCRIPT are two fonts that resemble handwritten text. For publications, use the TIMES font, while the SEATTLE or SHASTON fonts would be applicable for general correspondence. VENICE is suitable for party invitations or special announcements. Use STUTTGART for an aggressive/modern text appearance. The SYMBOL font is appropriate for simple coded messages.

# Basel Font

Berkeley Font

Black Shadow Font

BLOCK

## Games

# GS27 BOUNCE IT!

"One of the best IIGS shareware games to come along." This is the Apple IIGS version of Little Brick Out, found on the Apple II System Master. It is mouse-driven and takes advantage of the GS's excellent sound and graphics capabilities. Stereo sound effects are even possible if you have an MDIdeas card. Comes with extensive instructions and the ability to edit the difficulty of the game so that everyone from little toddlers to agile adults will love it. This is a shareware program with a $10 donation. Also included on this disk are more graphics and sound-packed games such as SUBMARINE, DESTROYER, SIMON SEZ, and FOUR IN A ROW.

**FOR MEMBERS ONLY!**

Special Treat For All PDE Members

**Any 6 Apple IIGS Disks for $35**

(That's less than $6 a disk!)
if you order before August 31st.
Write membership ID here:

Clip this coupon to your order

## GS28 Mean 18™ Golf Courses

These may be the toughest golf courses that you will ever encounter. You need Mean 18™, a commercial program from Accolade of San Jose, CA, where the player first chooses a golf course, then plays a round of golf on it. BURRFOOT.M18 has narrow fairways and treacherous sand traps, while BEACH.M18 is a course on a beach! If you need a break, try AUTUMN.M18, which takes place in New England and features the changing colors of the autumn season. Four more challenging courses are on this disk. A must for all Mean 18™ owners.

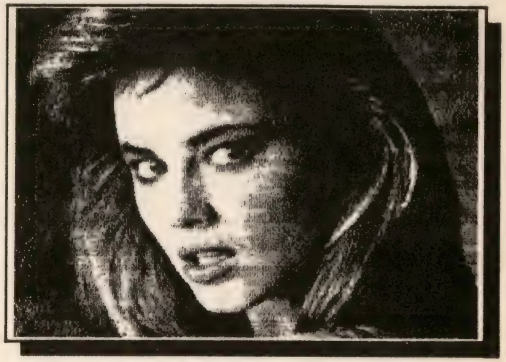
## Graphics

## GS22 CHAMPAGNE

A variety of colorful pictures and sharp graphics are residing on this disk. You may view super hi-resolution pictures of such files as CHAMPAGNE (three champagne glasses containing bubbly brut), A4.SKYHAWK (two images of the Navy and Air Force aircraft), DRAGON.ART (a dramatic red dragon), BIGCAT16 (a vicious tiger), FRANK.SHR (a Frank and Ernest cartoon), and many more.

## GS23 GARFIELD

A collection of several color and black-and-white pictures is contained on this disk. The "title track," GARFIELD, is a super hi-resolution color image of the trouble-seeking cat. An artist's rendition of a coastal town is contained in the file LIGHTHOUSE. Science fiction buffs will be



Girl, Disk GS23

pleased by the electronic stare of HAL.9000.EYE, from the movie "2001: A Space Odyssey." Children will like HARRY, the Bigfoot from the movie "Harry And The Hendersons." GIRL FASHION is a color portrait of a woman wrapped in a muffler.

## Music

## GS20 Flash Dance

Add this disk of songs to your IIGS music collection. Over 40 song files are contained on this disk, from classical to jazz, and rock to pop, even country and T.V. show theme songs. Listen to the theme from M.A.S.H.—"Suicide Is Painless," or Rock/Jazz music—"Wouldn't Want To Be Like You," and "Lucifer," by the Alan Parsons Project. Perhaps you would prefer Beethoven's 5th Symphony or "Rudolph The Red Nosed Reindeer." Also available on this disk is the theme from the movie Flash Dance—"What A Feeling." Enter stage left, The Rolling Stones hit

**Acknowledgement**

We would like to thank Joseph Kohn of Apple SIG on the Source for sharing these IIGS programs with us. To find out more about The Source, call up Joe at (415) 459-0231.

"Paint It Black," also contained on this disk. The variety of music compilations is so vast, you even get "The Beer Barrel Polka!"

**Note:** The Music Studio™ (or equivalent) and an Apple IIGS with 512K of RAM memory (minimum) is necessary to play the songs on this disk.

## GS21 "Stairway To Heaven"

Enrich your GS music collection with the 40 song files on this disk. Rock'N Roll enthusiasts will appreciate such songs as "The Final Cut" (Pink Floyd), "Jump" (Van Halen), "Stairway To Heaven" (Led Zeppelin), and more. Hear the theme song from the Odd Couple television show or the movie Star Wars. Or you may listen to the song "Tomorrow," from the Broadway hit "Annie." This disk contains music from most of the available music types (i.e. Rock, Pop, Classical, Jazz, T.V. Shows, etc.). See note for GS20.

# Programming

## GS24 EXTENDED COMMAND PROCESSOR-16

ECP-16 is a ProDOS 16 System program, program selector, controlling program, and operating system shell. Basically, it is a replacement to the Apple-supplied DeskTop for users who would rather control their ProDOS 16 environment via a command line processor rather than through all the memory-grubbing, cute graphics of the DeskTop. It is similar in structure to ECP-8, CP/M, MS-DOS, and UNIX. It is also compatible with Apple Programmer's Workshop and ORCA/M for the Apple IIGS. This is a preliminary version of ECP-16 that is released for those who would like to assist in testing the product as it is developed. Included on the disk is the fully-functional ECP-8. This program is shareware by Don Elton of "Talk is Cheap" with a $40-dollar donation. For your donation, you will get ECP-16 and ECP-8 licensed with instruction manuals for both. The official release for ECP-16 is still forthcoming, as there are still many features to be added.

# Sounds

## GS16 STARTSOUNDS and SYSBEEP

Tired of the same old "noise" that your IIGS makes when you make a mistake? Ready to experience the full capabilities of IIGS sound? With STARTSOUNDS and SYSBEEP, you can have a digitized sound file played at boot-up time and change that annoying "Boing!" sound. The author, Guy T. Rice, has provided his own voice as a demonstration. You will probably get tired of him very quickly though, so we have provided some other substitutions. Listen to an excerpt from the Beach Boys, a lady's scream, and a cop with his characteristic "Freeze!" These are all digitized sound files that can be used with either STARTSOUND or SYSBEEP. STARTSOUND plays the sound file at boot-up, and SYSBEEP plays the sound whenever you would normally hear a "Boing!" These programs also support digitized sounds made by the MDIdeas SuperSonic Digitizer, Sound Edit, Future Sound Board, and Macintosh sound files so that you can even make your own!

## GS17 PEEWEE HERMAN

Here are more digitized sound files for use with Guy T. Rice's STARTSOUND and SYSBEEP found on GS16. Thirteen terrific sounds to

amaze, dazzle, and provoke laughter. Included are a variety of sound effects such as a machine gun (great for deterring errors), a door bell, the sound of an unidentified vomiter, and someone laughing (good for the ego). Featured with some of their famous lines are three sounds of Curly from the Three Stooges and three time-honored excuses from PeeWee Herman. You'll also get a kick out of having your computer talk to you.

## GS18 THE ADAMS FAMILY

Here are more new digitized sound files for use with STARTSOUND and SYSBEEP from Guy T. Rice on Disk GS16. This disk will certainly send more than a few of you back to the yesteryears remembering America's triumph over space. You get to relive the experience of man's first step onto the moon with Neal Armstrong's famous statement "One small step. . ." produced from original tapings. Also, you can relieve your tensions by singing along with the theme from the Adams Family. The whole family will love getting on the computer just to hear it!

## GS19 2001: A Space Odyssey

HAL 9000 comes back to life again in two sound files for the pleasure of the 2001: A Space Odyssey fans. Also included is the sound of a jet plane taking off (Top Gun?). Remember Time Bandits? Well, the Evil Wizard is back to haunt not just humanity, but their IIGS computers as well. Listen closely and try to figure out every word he says. The title will give you a hint. Also included is an interesting sound that we have not quite been able to recognize. Can you? Go ahead, give it a try.

*Send in your contributions and support shareware authors!*

## SPEAK UP AND GET A FREE DISK

1. What field do you work in? _____
2. At what level are you in your organization?
   ☐ Owner ☐ Upper Management
   ☐ Middle Management ☐ Other
3. Income range: (optional)
   ☐ $10,000 + below ☐ $10,000-$20,000
   ☐ $20,000-$30,000 ☐ $30,000-$40,000
   ☐ $40,000-$50,000 ☐ $50,000 +
4. How old are you?
   ☐ 12 or younger ☐ 12-18 ☐ 18-30
   ☐ 31-40 ☐ 41-50 ☐ 51-60
   ☐ 61+
5. What computer-related publications do you read?
   ☐ Incider ☐ A+ ☐ Nibble ☐ Others_____
6. What type of computer do you own?
   ☐ II Plus ☐ IIe ☐ III
   ☐ IIc ☐ IIGS
7. How much do you spend annually on software?
   ☐ $0-$50 ☐ $51-$100 ☐ $101-$500
   ☐ $501-$1000 ☐ $1000 +
8. What type of software do you use?
   ☐ Business ☐ Education ☐ Graphics
   ☐ Desktop Publishing ☐ Others_____
9. How do you like to order from a catalog?
   ☐ Mail ☐ Phone
10. Where do you buy most of your software?
    ☐ Computer Stores ☐ Software Stores
    ☐ Bookstores ☐ Catalogs ☐ Magazine Ads
11. What type of add-on hardware would you be most likely to buy for your computer?_____
    _____
12. We want your comments. If you have ordered from PDE before, how would you rate the service on a scale of 1-5?
    (1 = poor 5 = great) Rating _____
    Comments: _____
    _____
13. Which programs did you like best:
    Disk number: _____
    Program name: _____
    Comments: _____
    _____
14. Which programs did you like least?
    Disk number: _____
    Program name: _____
    Comments: _____
    _____

To receive your FREE DISK, enclose this form with any size order.
Send me Apple II Disk _____ IIGS Disk _____

Here are all of the IIGS disks from our previous issues. Some of these disks may contain shareware.

### Communication

**GS6** FreeTermGS telecom: rated A+ Mag's 1987 "All Stars", needs 512K.

### Desk Accessories

**GS2** Desk Accessories—Notepad, Calendar, Diskinfo.

**GS3** More DAs! Setspeed, Setslot, Picsaver, Notepad.

**GS4** Watch your screen melt! Display time & date, plus 5 other DAs.

### Fonts

**GS14** Fonts: Egyptian characters, Greek letters, American Sign Language hand signs, a reverse shaded font, and a candy striped font.

### Games

**GS15** Games: TOWERS OF HANOI puzzle game, OTHELLO, plus more.

### Graphics

**GS5** Graphic utilities: convert pictures from other computers to IIGS format. Needs 512K RAM minimum.

**GS7** Dazzling IIGS graphics: SANTA PIC, NEW ENTERPRISE, WORLD map, plus more.

**GS8** IIGS graphics: ASTRONAUT, JUPITER, SATURN, ERNIE from Sesame Street plus more.

**GS9** More IIGS graphics: MAX HEADROOM, people from MOONLIGHTING, ALIEN, etc.

**GS11** Graphics: A sunrise scene, birthday card, pictures of Darth Vader, Gumby, Karate Kid, and many more.

**GS12** Paintings, drawings: BUGS 'N BULL, a Monet-like painting, a robot, a dragon, PEEWEE, plus more.

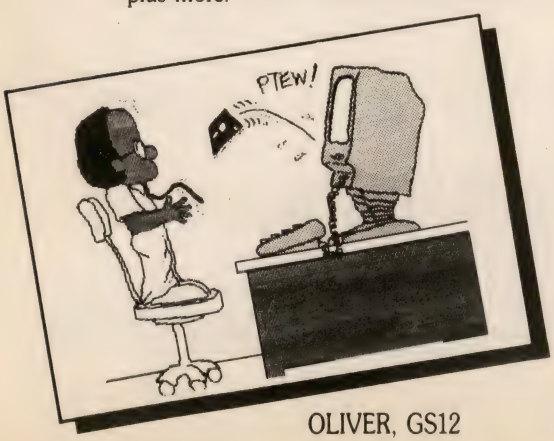
### Music

**GS10** Songs: Beethoven, Beatles, plus more, for use w/Music Construction Set™ (not included).

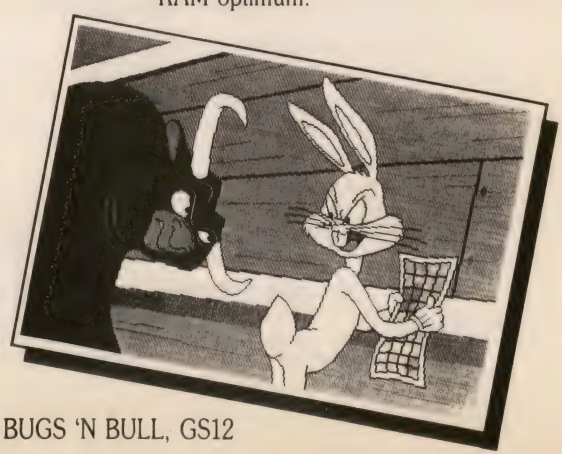
**GS13** Music Studio™ Songs: Bach, Beethoven, Chopin, Sound of Music, SEPTEM.SNG.

### Utilities

**GS1** Diversi Utilities: Diversi-Cache (shareware, $35), Diversi-Copy (shareware, $30), Diversi-Key (shareware, $45), Diversi-Hack 1.6. Needs 512K RAM minimum, 1 meg RAM optimum.




OLIVER, GS12



BUGS 'N BULL, GS12

# 242 THE LIBRARIAN Your Personal Library System

THE LIBRARIAN is a database system that allows you to keep an accurate catalog of all books in a library by using the Dewey Decimal System. DDS is the numbering system used by school and public libraries to classify their books.

With THE LIBRARIAN, the following information is maintained: Dewey classification, location, title, author, type of book, publisher, publication year, and the book subject. A single drive system can store up to 700 entries, while dual drive systems can take in up to 1000 entries. However, since you may use as many diskettes as may be needed, there is virtually no limit to the number of book entries that can be made.

This menu-driven program allows you to add, change, or delete entries; browse over the catalog; and query for books. It even has an option which prints spine labels for each new book that is added to the library. For multi-data disk users, the program has a rapid means of changing data diskettes without rebooting. It also provides several function keys which facilitate data entry and moving about the database.

THE LIBRARIAN has an extensive query facility, this being the most practical use for the program. First, it displays the exact data names (often referred to by database managers as data dictionary) that you may use in the query. Then the RUN QUERY option prompts you to enter some selection criteria, sort sequence, and output format specification. You may use such selection criteria as equal to, unequal to, less than, and greater than. Thus, you may query for a specific title or range of titles that meet the criteria. You may view the report on-screen or print a hard copy.

This program has complete documentation on-disk and is very easy to use. If you are not familiar with the Dewey Decimal System, invent your own numbering system. It must conform with the Dewey format, which is simply—one, two or three alphanumeric characters followed by one, two, or three decimal places.

THE LIBRARIAN was written by Hal Carter, author of several popular shareware programs such as Bank'N and Diskette Librarian.

**Shareware Donation: $10**
**Please send your donation to the author, Hal Carter whose address is on-disk.**

# Hal Carter: Shareware Author of Bank 'N and HiRes Doodle

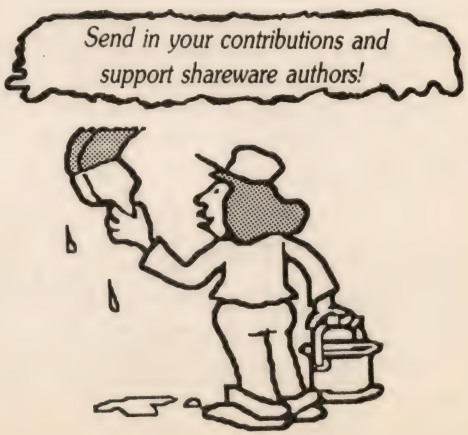
Hal Carter worked in an exclusive mainframe environment before his "conversion" to micros in 1982 when he purchased his first Apple II Plus. Since then, he has become one of the most prolific shareware authors for the Apple II. He has not left his roots though, and is presently manager of the technical support branch of the U.S. Navy's data processing group.

Hal's fascination with computers started when he was with the Air Force for which he later served as a programmer. He also earned a degree in Computer Science from Troy State University at Montgomery, Alabama while in the service. Now that he's on the management side, Hal rarely does hard coding work. He misses this, so writing programs for the Apple II is a good outlet for his creativity.

Hal has six shareware programs in The Public Domain Exchange library: Music Maker, Diskette Librarian, Hi Res Doodle, Bank 'N, Librarian, and ZipScript II. Music Maker (Disk 186) is a musical package that allows the user to create and edit a musical composition, then hear what he has created. It has a built-in editor that allows for the specification of the octave, tempo, beats per measure, pauses, rests, and repeats. Diskette Librarian (Disk 242) is a disk library database that lets the user save, sort, search, delete, or edit an entry. Hi Res Doodle (Disk 023) is an excellent drawing program that uses either the keyboard or a joystick to draw and paint the desired art work. Bank 'N (renamed Bank 'n Save on our Disk 056) is a check maintenance program that also monitors expenses. ZipScript II (Disk 419) was featured in our last magazine as one of the better word processing programs for the Apple II, and is especially useful to Apple II Plus owners who don't have an 80-column card on their computers. All written in Assembly (which Hal is most comfortable with), these programs are known for their quick response times.

Of these, Bank 'N and Hi Res Doodle have been the most popular in terms of user response, according to Hal. Although these are shareware, he finds more satisfaction with the thought of creating something that will be useful to others. At the request of a visually impaired person, Hal recently configured Bank 'N to work with the Echo II Synthesizer so that it can be used by the blind.

Hal is taking on another project—programs for the Amiga. Apple II's loss, Amiga's gain? Maybe. But whatever, Hal has contributed a precious bundle to the cause of high-quality, low-cost software for the Apple II.



## Art

### 754 GRAPHICS CREATOR

Draw pictures on the Apple's hi-resolution screen with HI-RES SKETCH PAD, and in color with GRAPHICS CREATOR. These programs allow you to load, save, and edit graphics images. Also included is IMAGE JUGGLER which allows you to combine, invert, and print graphics files. Other programs included on this disk will draw a map of Minnesota, tell time with a grandfather clock, and display the United States flag.

## Business

### 761 INVESTMENTS

If you are interested in investments, annuity, and forecasting, check out INVESTMENTS. This application calculates the future value of an investment, annuity, and interest in various accounts, and performs forecasting (trend line analysis). Keep track of your stock transactions with DAN'S OPTION WRITER. Monitor your dividends, returns, and appreciation of your stocks. You may write, recall and list all option transactions on file. INVEST is a real estate analysis program which will figure out cash flow, equity buildup, asset appreciation and tax savings for an income property. Set up File Cabinet files with a specified number of records using FILE CABINET INITIALIZER by entering the filename, number of records and the field names. Also included are a checkbook balancer, an amortization schedule, and an accounts receivable program.

## Education

### 764 GRADE MAINTENANCE

GRADE REPORT WITH FILE produces a class exam grade report including the number of grades in each group from A to F, the mean, standard deviation, and a bar graph of the results from data entered from the keyboard. You may also include a list of students making an "F" and those not taking the exam. MATH QUIZ is a four-level drill on addition, subtraction, multiplication and division. At the end of each drill, a performance summary will be displayed indicating the number and percentage of correct and incorrect answers. GRADE MAINTENANCE will create a class roster and keep track of test scores. You may display individual student files, class averages by student, class averages by assignment, ranked class averages by student, or all individual student files.

### 767 JOYREADER

JOYREADER is an innovative speedreading disk designed to improve your reading skills. The user is given the power to control the speed of the passage across the screen by manipulating the "reading speedometer" that is displayed on the top left portion of the monitor. He can also choose the window size from which he wants to view the passage, ranging from 40 letters for beginners to five letters for advanced speedreaders. Seven reading selections are offered from high school to collegiate levels followed by multiple-choice questions to check comprehension. Courtesy of Phil Shapiro, this is shareware ($12).

## Electronics

### 753 CIRCUIT ANALYSIS TUTOR

Design and test your own electronic circuit on your computer with CIRCUIT ANALYSIS TUTOR. This program determines the static DC operating point of a circuit which may have up to 40 nodes and up to 100 elements. Elements may include resistors, conductances, fixed current sources, fixed voltage sources, transconductance current sources, diodes, FET's, and/or bipolar transistors. Those of you who are contemplating making a new loop antenna to improve your AM reception should use LOOP ANTENNA. This program will calculate the number of turns that are required to make a loop antenna. You will receive information as to the length of wire needed and how many turns are required. With MORSE CODE you may practice and learn how to understand Morse code. MORSE CODE will send random five character code groups over the built-in speaker at speeds of 5 to 60 words per minute. You may set the speed (words per minute), the number of characters, and the types of characters.

**FOR MEMBERS ONLY!**

Special Treat For All PDE Members

**Any 10 Apple II Disks for $35**

($3.50 a disk!)

if you order before August 31st.

Write membership ID here:

_____

Clip this coupon to your order

## Games

### 750,751 FIREGROUND

Test your ability to locate and fight fires with FIREGROUND. Part one (Disk 750) of this two-disk game set has a graphics adventure on which the streets you drive your fire engine are represented by a maze. It may be a good idea to map the way as you go on calls because some streets are dead ends, which may cause you to arrive too late. You also must have reasonably

good hearing to understand the computer-generated diction of the dispatcher. After gaining some seniority, you will find yourself in the second phase of the program (Disk 751) in which the play mode switches to an arcade-style hi-resolution game. With your joystick you must maneuver your fire engine into position to extinguish fires and save people jumping out of windows and off roof tops. You are also required to avoid an assortment of emergency vehicles or debris that is falling off the burning buildings. (2 disk set)

## 752 WORD WARS

Battle your computer for control of countries in WORLD WAR. Invade five countries on one of their four shores utilizing troops, planes, tanks, artillery, and missiles. To win you must destroy or capture the opposing five countries. You are an old cow puncher in the year 1887 making a meager living in the text adventure game HIDE, SOFTLINE ADVENTURE. Perhaps you can improve your lot if you round up a wild herd and go to St. Louis to sell it. Be careful of bandits and outlaws as you make your way across the country. WORD WARS is a fun word game for one to six people. Make as many words as you can from a group of 13 letters displayed on the screen while working against a three-minute time limit. You may make up to five words of each length (three to eight letters). In KONG your mission, should you decide to accept it, is to rescue the First Lady who has been captured by a group of wild gorillas and taken to the top of an unfinished skyscraper.

## 757 AVALANCHE

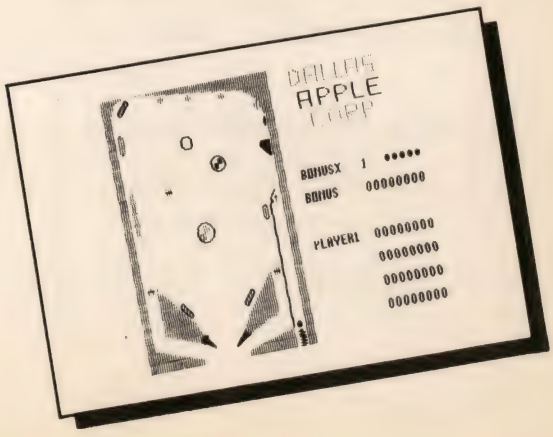
You must recover "The Ring" which is lost inside the mines of Moria, for you are on a RINGQUEST. Befriend wizards or fight Balrogs in this graphics adventure game based on J.R.R. Tolkein's trilogy,

*. . . recover "The Ring" which is lost inside the mines of Moria . . .*

"The Lord of The Rings." The object of AVALANCHE is to catch as many of the falling rocks as possible. Once you catch all of the rocks from one mountain, another mountain will appear. It is rumored that a pirate hid his treasure in a cave. You have the chance to find it in QUEST, a text adventure with an easy-to-play format. Save on shoe rentals with BOWLING, a game that can be played by up to ten players. The computer will keep score for you. Play a game called GREED against the Apple. On each of your ten turns, throw a dice and accumulate the results. If any of your throws repeat a previous one (i.e. "snake eyes" twice), you bust and lose that score.

## 758 MAZE PLOTTER

Get completely lost in a maze of your own creation with the MAZE PLOTTER series of programs. Walls, doors and passages abound as you wander aimlessly through the corridors. Direct your guided missiles into the red nuclear reactor zone of the invading flying saucers in UFO DEFENSE. Go back in time to the PREAKNESS STAKES 1981 and bet up to $300 on one of the eight fastest horses ever. Enter bets on win, place or show, then wait for the race to begin. Up to 20 players can bet. Go on a hunting expedition for the ferocious MUSKONYBBLE, who is hiding in dark caves. Be careful—for the caves have other dangerous creatures roaming around. You must kill him—for he will eat you if given the chance. DOUGS PINBALL is a fast action pinball game playable either with the keyboard or joystick.



## Music

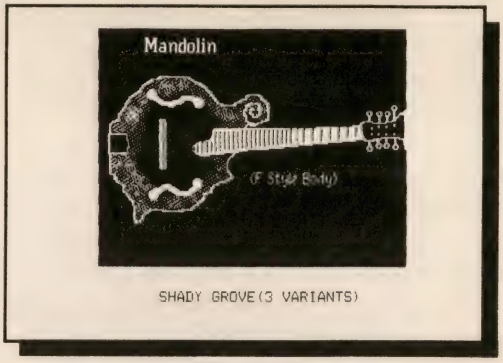
### 755 FIDDLER ON THE DISK

Listen to some traditional hoedown and square dance tunes while learning about the history of various fiddle-related instruments. FIDDLER ON THE DISK was created using Mousepaint™ and Koalpad™. It plays up to thirteen different full-length songs, like "Sail Away Ladies," Shenandoah Falls," and "Soldier's Joy," while showing graphics diagrams of various hoedown instruments such as the banjo, fiddle, and guitar. Each picture has a synopsis of the history, construction, and usage of an instrument. A great musical treat for everyone.

## Pastime

### 756 APHORISM

This disk will give you a chance to lengthen your lifespan! In HOW LONG YOU WILL LIVE you are asked a series of questions about your life-style and your family history. Based on your answers you will receive its prediction on how much time you have left on this earth. Do you have fast responses? Test them with ALERTNESS ANALYZER, a program that measures the time it takes (in milliseconds) for you to respond when a mark is put onto the screen. HORRIBLE HARRY is a ghastly, ghostly, ghoul that will "kill" you with the jokes that he tells. It is rumored that his father was "Red Skeleton." Find out what the children's definitions of words really are with KIDS TERM. This humorous program will define a child's impressions of 45 different words. APHORISM uses an array of 75 words to generate random aphorisms. You may enter your own words (data) for a more customized aphorism.




### 766 COMPUTER BRAIN

Carry on a conversation with your Apple regarding sex, money, or your job. COMPUTER BRAIN is an artificial intelligence simulation that gives advice on what you should do when you are oversexed, have too little money, or have to work long hours for meager pay. Calculate the value of silver in coins with SILVER VALUE OF COINS. It will not take into consideration the condition of the coin, but will give you an indication (based on current silver prices) of the value of a specific coin. RECORDINGS prints out 3" × 5" index cards to cross-reference your record and tape library. From the data of a single LP or tape, the computer prints out index cards for shelf number, album, artist, tune, conductor and other related information.

## Programming

### 765 APPLESOFT TOLKENS

Lots of useful information as to what I/O errors are, how they occur and tricks to correct them are contained within ANSWER MAN.I/O ERRORS. Information about Read/Write and other disk functions are also included. INPUT DEMO BY

TWE contains two routines for accepting any character for input without generating the "EXTRA IGNORED" error. You may select between a structured (less than or equal to 255 characters) or an unstructured (255 characters) routine. TONE-DEMO is a tone demonstration program with nine different types of sounds. You may sample various tones, pitches, space sounds, shoot-up sounds and more. U/DELAY ROUTINE will delay your program for any length of time. It works great for displaying instructions or data on the screen just by pressing the space bar to scroll the information. A full explanation of each line is integrated into this program.

## Utilities

## 763 APPLESOFT ROUTINES

Included here are many routines that make Applesoft programming much easier. PRINT ROUTINES displays on the screen or printer a set of 32 sample routines to format text in your program. For example, you can create typewriter sound effects, right justify strings, center titles, erase the screen from right to left, scroll the text,

*. . . make Applesoft programming much easier.*

plus much more. It's a handy set of routines for spicing up any program. BASIC LISTER allows you to list your program on the printer up to an 80-column width format, with your own specified page length. It automatically inserts page headers with the page number and footers. Also on the disk are utilities to improve the INPUT command, type text on graphics, and make some dazzling menu routines.

Here is a recap of disks reviewed in previous bulletins.

### Art

**006** Printer utilities: 18 downloadable custom character sets, fonts.

**007** Tom's Tool Kit: Create fonts in choices of sizes and colors.

**023** Draw using keyboard or joystick—fill areas in 23 patterns (shareware, $10).

**026-027** CEEMAC language abstract art and animation system, (2 disk set).

**450-451** MAESTRO 1.1—string groups of CEEMAC 1.1 programs together to make "movies", (2 disk set).

**704** Best of Art—display phrases on banners, move shapes from a shape table, merge screens: add text to screen, fill in w/color.

### Business

**038** Business/Home Management: Checkbook balancer, calendar, metrics, calculator.

**039** Best of Business: General ledger, money market, label maker, payroll, stock portfolio.

**053-054-055** PDS*Base: Relational database, w/documentation (shareware $25, 3 disk set).

**056** Bank'n Save: Checkbook program, prints, with doc. (shareware, $10).

**404** Family financing—amortization, phone and shopping lists.

**406** Address and phone number database system, (shareware, $10).

**701** Best of Business—FILE CABINET database that enters, deletes, sorts, lists and prints records;

BASICGRAPH; TREND LINE ANALYSIS. CAD

**310, 311,312**
Full-featured CAD program with graph plotter plus documentation. Needs print-plotting program, i.e. Beagle Brothers Triple Dump to print. Will not run on a II Plus. (3 disk set).

### Communication

**264** Talk is Cheap terminal emulator—A+ Mag's "All Star" rated (shareware, $30).

**267/268** BBS system; create terminal programs and BBS's. (2 disk set, shareware, $20).

### Education

**064** Best of Education: Math drills, history quizzes, spelling, speedreading, typing.

**066** Teacher's Aids: class grader, grade averaging, make and print tests.

**069** Geography, math, spelling games—fun!

**080** Class Record System: up to 255 students (shareware, $30).

**084** MIND GAMES: "whodunit" game; "Guess My Word"-type game.

**085** Basic math: 23 levels of drill and practice.

**086** For teachers—drill and practice programs on specific topics.

**089** French Tutor—Verbs; tutorial and drills, complete w/doc.

**090** French Tutor—Nouns; five lessons of increasing complexity, complete w/doc.

**505** GRAMMAR QUEST II—grammar questions in suspense/adventure game.

**515** Reading Fun: reading selections for everyone, (control speed at which the text is displayed).

**517** SPELLING TUTOR: for teachers and students. Create your own speller set, add words, edit it.

**518** History, math, vocabulary, astronomy, states and capitals.

**702** Best of Education—DUNGEON OF ARBEGLA algebraic game, roots and prefixes, Hangman.

### Food And Nutrition

**092** Food and Nutrition: Calorie counting, recipe files, life expectancy, nutrient values.

### Games

**118** Defend your ship in ANDROMIDA, play SPACE SHUTTLE. Not for use on the Apple IIGS.

**120** Sports Games, RUBIK'S CUBE, BREAKOUT.

**122** Maze games; TETRAD: 4-level 16 square tic-tac-toe; AIRPORT.

**123** WORLD WAR III, STAR TREK, WIZFIX.

**125** TERMINAL BOREDOM—Unique adventure game.

**126** ANTI-GRAVITY: PacMan-like game.

**127** Arcade shoot-'em-up game—DEFENDER, D-DAY, ALIEN SHOOT, STAR MASTER, LUNAR MISSION.

**130** UFO—neutralize the aliens that are out to destroy your spaceship, chess clock, HELICOPTER.

**131** Electronic jigsaw puzzle—select from ten hi res color puzzle pictures.

**703** Solitaire, pinball game using paddles or joystick, StarTrek game.

### Music

**185** Music: Build an Apple organ; metronome, sounds, write songs.

**186** Music Maker: Compose, edit, and play your own music (shareware $10).

### Passion

**190, 191** X-rated graphics, several cute programs and games (2 disks).

### Pastime

**192** FAMILY TREE SURGEON—maintain genealogical records, with instructions.

**203** Video Librarian to catalog any collection (shareware, $10).

### Science

**058** Study vectors, forces, acceleration, motion & momentum.

**059** Harmonic motion, calorimetry, heat engines.

**705** Best of Science—molecular structure of organic compounds and their isomers, gravitational acceleration, nuclear power reactor simulation.

### Tutorials

**000** BASIC tutorial, machine language disassembler.

### Utilities

**213** Best of Utilities: Diskcat, Krunch, Disk check, Fastboot Create, Diskmap, Memory dump.

**244** Thirty useful disk and programming utilities.

**706** Best of Utilities—CHANGE DOS COMMANDS, FILE CONVERTER, print filenames on your disks alphabetically.

### Wordprocessor

**037** Freewriter: Wordprocessor, prints (Apple II+ needs paddles)

## SPEAK UP AND GET A FREE DISK

1. What field do you work in? _____
2. At what level are you in your organization?
   ☐ Owner ☐ Upper Management
   ☐ Middle Management ☐ Other
3. Income range: (optional)
   ☐ $10,000 + below ☐ $10,000-$20,000
   ☐ $20,000-$30,000 ☐ $30,000-$40,000
   ☐ $40,000-$50,000 ☐ $50,000 +
4. How old are you?
   ☐ 12 or younger ☐ 12-18 ☐ 18-30
   ☐ 31-40 ☐ 41-50 ☐ 51-60
   ☐ 61+
5. What computer-related publications do you read?
   ☐ Incider ☐ A+ ☐ Nibble ☐ Others_____
6. What type of computer do you own?
   ☐ II Plus ☐ IIe ☐ III
   ☐ IIc ☐ IIGS
7. How much do you spend annually on software?
   ☐ $0-$50 ☐ $51-$100 ☐ $101-$500
   ☐ $501-$1000 ☐ $1000 +
8. What type of software do you use?
   ☐ Business ☐ Education ☐ Graphics
   ☐ Desktop Publishing ☐ Others_____
9. How do you like to order from a catalog?
   ☐ Mail ☐ Phone
10. Where do you buy most of your software?
    ☐ Computer Stores ☐ Software Stores
    ☐ Bookstores ☐ Catalogs ☐ Magazine Ads
11. What type of add-on hardware would you be most likely to buy for your computer?_____
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